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FOREST CONTROL

by

CONTINUOUS INVENTORY

"The attached continuous inventory time table has been built from experience in the Lake and Central States. It shows that under varying conditions, from 2 to 6 permanent plots per day can be set out by a 2-man crew."

Milwaukee, Wis.

June 1955

No. 15

The attached continuous inventory time table has been built from experience in the Lake and Central States. It shows that under varying conditions, from 2 to 6 permanent plots per day can be set out by a 2-man crew.

IN TEN CREW DAYS WE HAVE ESTABLISHED

- 25 Fifth-acre plots at one plot per station
- 33 Fifth-acre plots at two plots per station
- 33 Seventh-acre plots at one plot per station
- 43 Fifth-acre plots at three plots per station
- 43 Seventh-acre plots at two plots per station
- 55 Seventh-acre plots at three plots per station

This rate of plot work applies under the conditions given in the time table but includes also the collection of the following detailed information:

1. Quality and vigor grades for all trees measured
2. Tape-measured diameters to tenth inches for all trees over 5.0".
3. Estimated lengths for all commercial trees.
4. Forest cover and terrain description
5. Mark sensed individual cards for each tree
6. Paint numbers and DBH points on each tree*
7. Permanent plot centers with witness trees

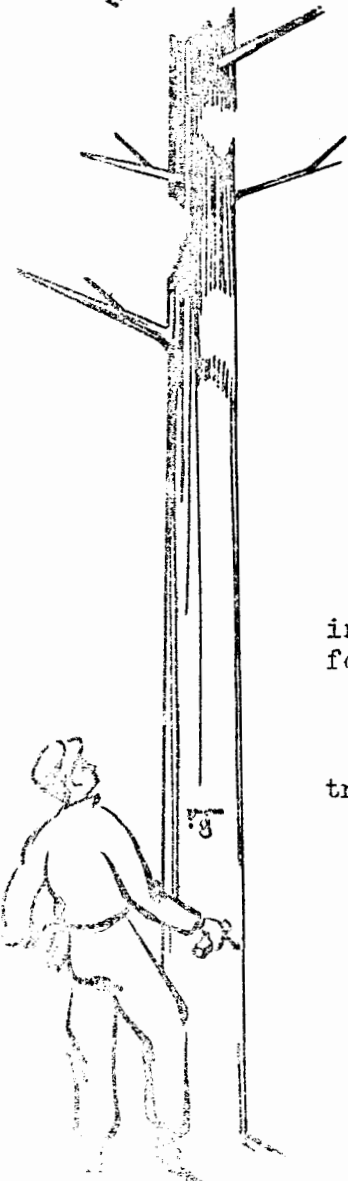
UNITED STATES FOREST SERVICE
Region 9 - Milwaukee, Wis.
Carl Stott, Forester

The Forester

*Using the pocket-sized oiler advertised in

CHARTS &
PLANS
PAINT NUMBERED
TREES
PERMANENT
SAMPLES
TIMBER
BOOKKEEPING
UNIT
RECORDS
THE DIAMETER
TAPE
TRIAL
BALANCE

MARK
SENSING



C. F. I. - EMPIRICAL SAMPLING GUIDE - I. B. M.

Permanent Circular Sample Plots ----- 100,000 Acres of Forest

SIZE OF PLOT IN ACRES	1/5	1/5	1/7	1/5	1/7	1/7
NATURE OF STAND	CORDWOOD - MEDIUM DENSITY - PATCHY DISTRIBUTION					
DESIRED STATISTICAL ACCURACY	5 to 10% - 95 times out of 100					
NO. OF PLOTS NEEDED	500	624			780	975
NO. OF PLOTS PER STATION	1	2*	1	3*	2*	3*
NO. OF STATIONS	500	312	624	260	390	325
CHAINS BETWEEN STATIONS	45	56	40	62	51	56
ACRES OF FOREST PER PLOT	200	160			128	102
SAMPLE ACRES MEASURED PER DAY	.50	.65			.85	1.10
FOREST ACRES CRUISED PER DAY	500	520			544	561
CREW DAYS FOR 100,000 ACRES	200	192			183	178
NO. OF MEASURED PLOTS PER TWO-MAN CREW DAY	2 $\frac{1}{2}$	3 $\frac{1}{4}$			4 $\frac{1}{4}$	5 $\frac{1}{2}$

*5 to 10 chains apart.